

What is claimed is:

1. A melody candle assembly using a color change pigment, comprising:

a candle having a wick and an optical fiber embedded in the center thereof in parallel with each other, the wick being of a substantially thin thread or fabric made of a natural fiber or a chemical fiber, the optical fiber being adapted to transmit light from flame produced when the wick is ignited, wherein the optical fiber is coated with the color change pigment that stays in black-like colors to shield light at normal states and gets changed to transparent colors at a time of the application of heat when the candle is burnt;

a photo sensor disposed at the lower end of the optical fiber while being in contact with the lower end of the optical fiber, for sensing the light transmitted through the optical fiber; and

a melody reproducing unit mounted at the lower end portion of the candle for reproducing the melody or music when the photo sensor senses the light from the optical fiber, the melody reproducing unit having an electronic circuit module, a battery container into which batteries are mounted and a speaker for outputting the melody or music generated to the outside.

2. The melody candle assembly according to claim 1, wherein a metal coated sensor socket is mounted around the photo sensor including a portion thereof joined with the optical fiber, for preventing the photo sensor from being erroneously operated in response to the outside light coming from the outer peripheral surface of the candle.